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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO. Q58575 3246	
09/540,990	03/31/2000	Toshiya Aramaki	Q58575		
7590 11/24/2003 SUGHRUE MION ZINN MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue NW			EXAMINER		
			HSU, ALPUS		
Washington, Do			ART UNIT	PAPER NUMBER	
			2665	7	
			DATE MAILED: 11/24/2003	,	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		09/540,990	ARAMAKI ET AL.			
		Examiner	Art Unit			
		Alpus H. Hsu	2665			
The MAILING DAT Period for Reply	E of this communication app	ears on the cover sheet with the o	correspondence address			
THE MAILING DATE OF - Extensions of time may be availated after SIX (6) MONTHS from the - If the period for reply specified a - If NO period for reply is specified - Failure to reply within the set or a	THIS COMMUNICATION. tible under the provisions of 37 CFR 1.13 mailing date of this communication. sove is less than thirty (30) days, a reply above, the maximum statutory period water the period for reply will, by statute, later than three months after the mailing	Y IS SET TO EXPIRE 3 MONTH(36(a). In no event, however, may a reply be tire of within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from no cause the application to become ABANDONE date of this communication, even if timely filed	nely filed /s will be considered timely. I the mailing date of this communication. ED (35 U.S.C. § 133).			
1) Responsive to com	munication(s) filed on	_·				
2a) This action is FINA	L. 2b)⊠ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4a) Of the above cl 5) ☐ Claim(s) is/a 6) ☑ Claim(s) <u>1-3</u> is/are 7) ☑ Claim(s) <u>4-14</u> is/ar	Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. Claim(s) 1-3 is/are rejected. Claim(s) 4-14 is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9) The specification is 10) The drawing(s) filed Applicant may not re Replacement drawin	quest that any objection to the ogsetted should be going sheet(s) including the corrections.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). njected to. See 37 CFR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. §§ 119 and 120						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification Data Sheet. 37 CFR 1.78.						
Attachment(s)						
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.6. Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.6. Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.6. Other:						

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1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by URUSHIDANI et al. in U.S. Patent No. 5,022,025 or HENRION et al. in U.S. Patent No. 5,237,565.

URUSHIDANI et al. discloses a multi-stages switching network constructed by a plurality of unit switches for routing data packets from source to destination utilizing assigned unit switch identifiers and sequence numbers (see col. 2, line 36 to col. 3, line 16, col. 8, line 7 to col. 9, line 44, col. 13, line 54 to col. 16, line 15, col. 18, lines 19-31) as in claims 1 and 2.

Similarly, HENRION et al. also discloses a multi-stages switching network constructed by a plurality of unit switches for routing data packets from source to destination utilizing assigned unit switch identifiers and sequence numbers (see col. 3, line 16 to col. 8, line 21) as in claims 1 and 2.

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 6. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over URUSHIDANI et al. in U.S. Patent No. 5,022,025 or HENRION et al. in U.S. Patent No. 5,237,565.

Each of URUSHIDANI et al. and HENRION et al. fails to disclose the feature of assigning total number of sequence numbers based on a maximum value of queuing delay, which is well known in the art for latency reduction and can be easily adopted by one of skilled artisan to implement into either system of URUSHIDANI et al. or HENRION et al. to further improve the system speed and efficiency.

- 7. Claims 4-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hemdal and Agrawal are cited to show the common feature of multi-stages switching network constructed by a plurality of switch elements for routing data packets or bits similar to the claimed invention.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alpus H. Hsu whose telephone number is (703)305-4377. The examiner can normally be reached on M-F (5:30-3:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy D. Vu can be reached on (703)308-6602. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-4700.

AHH

Alpus H. Hsu Primary Examiner

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